Roll No.

Dr. Shakuntala Mishra National Rehabilitation University, Lucknow
Department of Applied Science and Humanities
MID SEMESTER EXAMINATION

Session: 2023-24
Max Marks: 20

Sem& Year: III
Duration: 2 Hr
Subject Code: Programming for Problem Solving /TES-201

Part – A

(4×1=4 Marks)

1. Attempt all questions.

(i) What is the father of C language?
a) Steve Jobs b) James Gosling c) Dennis Ritchie d) Rasmus Lerdorf

(ii) In C, What is the result of logical or relational expression in C?
a) True or False b) 0 or 1
c) 0 if an expression is false & any positive number if an expression is true d) None of the mentioned

(iii) What is #include <stdio.h>?
a) Preprocessor directive b) Inclusion directive
c) File inclusion directive d) None of the mentioned

(iv) scanf() is a predefined function in_____header file.
a) stdlib.H b) ctype.H c) stdio.h d) stdarg. h

Part – B

(2X3=6 Marks)

2. Answer any two questions.

(i) What is C programming? Write the basic structure of C program in detail.

(ii) Explain arithmetic operator and relational operator with help of program.

(iii) Explain Storage class. Also describe various data types with their memory size.

Part – C

(2×5=10 Marks)

3. Attempt any two questions.

(i) What is Computer? Explain various Components of Computer.

(ii) What do you understand by language processor? Differentiate between Assembler, Compiler and Interpreter.

(iii) Explain the concept of Algorithm, Flow Chart and Pseudo code with the help of example.